

FORM PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket No.: AVARS-02200

Serial No.: 09/903,423

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Use Several Sheets If Necessary)

(37 CFR § 1.98(b))

Applicant: Michael Lloyd et al.

Filing Date: 07/10/2001

Group Art Unit: 2143

DEC 01 2006

U.S. PATENT DOCUMENTS

Examiner Initials	Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
/PN/	AA 6,711,152 B1	03/23/2004	Kalmanek, Jr. et al.	370	351	07/06/1999
/PN/	AB US 2001/0026537 A1	10/04/2001	Massey	370	316	02/23/2001
	AC					
	AD					
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	AL					
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	AN					
	AO					

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

	Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
						Yes	No
	AP						
	AQ						
	AR						
	AS						
	AT						

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

/PN/	AU	Nick Feamster et al., "Controlling the Impact of BGP Policy Changes on IP Traffic", November 6, 2001, pages 1-18.
/PN/	AV	Dean Jones, "Developing Shared Ontologies in Multi-Agent Systems", pages 1-10.
/PN/	AW	L. Massoulié et al., "Arguments in favour of admission control for TCP flows", pages 1-16.
	AX	
	AY	
	AZ	
	BA	
	BB	
	BC	

Examiner:

/Phuoc Nguyen/

Date Considered:

03/12/2007

EXAMINER:

Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT
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Applicants: Michael A. Lloyd et al.

(37 CFR § 1.98(b))

Filing Date: July 10, 2001

Group Art Unit: 2143

U.S. PATENT DOCUMENTS

Examiner Initials		Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
/PN/	AA	5,940,478	8/17/99	Vaudreuil et al.	379	88.18	5/31/96
↓	AB	6,556,582 B1	4/29/03	Redi	370	443	5/15/00
↓	AC	6,707,824 B1	3/16/04	Achilles et al.	370	412	5/19/99
↓	AD	6,728,484 B1	4/27/04	Ghani	398	42	9/7/99
↓	AE	6,956,858 B2	10/18/05	Hariguchi et al.	370	395.31	6/29/01
/PN/	AF	6,963,575 B1	11/8/05	Sistanizadeh et al.	370	404	2/27/01
	AG						
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	AI						
	AJ						

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

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	AM							
	AN							
	AO							

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

	AP	
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	AZ	

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/Phuoc Nguyen/

Date Considered:

03/12/2007

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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of
Invention

SYSTEMS AND METHODS FOR ROBUST, REAL-TIME
MEASUREMENT OF NETWORK PERFORMANCE

Application Number : 09/903423



Confirmation Number: 8239

First Named Applicant: Michael Lloyd

Attorney Docket Number:

Art Unit:

Examiner:

Search string: (5802106 or 6339595 or 6415323 or 6526056 or 6608841 or 6611872 or 6631419 or 6633640 or 6714549 or 6766381 or 20020038331 or 20020124100 or 20030016770).pn

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

Init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
PN	1	5802106	1998-09-01	Packer			
	2	6339595	2002-01-15	Rekhter et al.	B1		
	3	6415323	2002-07-02	McCanne et al.	B1		
	4	6526056	2003-02-25	Rekhter et al.	B1		
	5	6608841	2003-08-19	Koodli	B1		
	6	6611872	2003-08-26	McCanne	B1		
	7	6631419	2003-10-07	Greene	B1		
	8	6633640	2003-10-14	Cohen et al.	B1		
	9	6714549	2004-03-30	Phaltankar	B1		
PN	10	6766381	2004-07-20	Barker et al.	B1		

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

Init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
PN	1	20020038331	2002-03-28	Flavin	A1		
PN	2	20020124100	2002-09-05	Adams	A1		
PN	3	20030016770	2003-01-23	Trans et al.	A1		

Signature

4/8/05

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FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
					Yes	No
WO 02/033896 A3	04/25/02	PCT	H04L	12/56		X

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

AB	T. Bates et al., "Multiprotocol Extensions for BGP-4", XP-00219077, June 2000, ppg. 1-10.
AC	S. Kumar et al., "The MASC/BGMP Architecture for Inter-domain Multicast Routing," 12 pages.
AD	S. Berson et al., "An Architecture for Advance Reservations in the Internet," USC Information Sciences Institute, July 16, 1998, pages 1-21.
AE	R. P. Draves et al., "Constructing Optimal IP Routing Tables," 1999 IEEE, 1-10.
AF	R. Govindan et al., "An Analysis of Internet Inter-Domain Topology and Route Stability," USC Information Sciences Institute, 1997 IEEE, 8 pages.
AG	V. Paxson, "Toward a Framework for Defining Internet Performance Metrics," http://www.isoc.org/inet96/proceedings/d3/d3_3.htm , pages 1-20.
AH	C. Alattinoglu et al. "Routing Policy Specification Language (RPSL)," http://quimby.gnus.org/internet-drafts/draft-ietf-rps-rpsl-v2-00.txt , pages 1-56.
AI	P. Traina, "BGP-4 Protocol Analysis," March 1995, pages 1-10.
AJ	B. Krishnamurthy et al., "On Network-Aware Clustering of Web Clients," 14 pages.
AK	
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Examiner:

Date Considered: 4/8/05

EXAMINER:

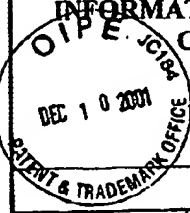
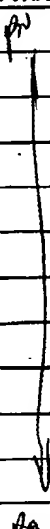


Injust citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION PTO-1449 DEC 10 2001 TRADEMARK OFFICE		ATTY. DOCKET NO. 24717-707		SERIAL NO. 09/903,423		RECEIVED DEC 11 2001	
		APPLICANT Lloyd, M. et al.					
		FILING DATE 07/10/01				GROUP 2100 Group 2100	
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
PN	4,284,852	08/18/1981	Szybicki et al.	179	18 EA		
	4,345,116	08/17/1982	Ash et al.	179	18 EA		
	4,495,570	01/22/1985	Kitajima et al.	364	200		
	4,594,704	06/10/1986	Ollivier	370	16		
	4,669,113	05/26/1987	Ash et al.	379	221		
	4,704,724	11/03/1987	Krishnan et al.	379	221		
	4,726,017	02/16/1988	Krum et al.	370	85		
	4,748,658	05/31/1988	Gopal et al.	379	221		
	4,788,721	11/29/1988	Krishnan et al.	379	221		
	4,839,798	06/13/1989	Eguchi et al.	364	200		
	4,920,432	04/24/1990	Eggers et al.	360	33.1		
	4,931,941	06/05/1990	Krishnan	364	437		
FOREIGN PATENT DOCUMENTS							
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	0 977 456 A2	02/02/2000	Europe	H04Q	11/04	<input type="checkbox"/>	<input type="checkbox"/>
	0 982 901 A1	03/01/2000	Europe	H04L	12/56	<input type="checkbox"/>	<input type="checkbox"/>
	0 999 674 A1	05/10/2000	Europe	H04L	12/64	<input type="checkbox"/>	<input type="checkbox"/>
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	99/06913	02/11/1999	PCT	G06F	13/00	<input type="checkbox"/>	<input type="checkbox"/>
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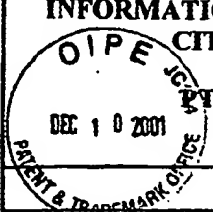



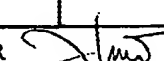
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		APPLICANT Lloyd, M. et al.					
		FILING DATE 07/10/01		GROUP 2100 2100			
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
	4,939,726	07/03/1990	Flammer et al.	370	94.1		
	4,949,187	08/14/1990	Cohen	358	335		
	4,949,248	08/14/1990	Caro	364	200		
	5,172,413	12/15/1992	Bradley et al.	380	20		
	5,253,341	10/12/1993	Rozmanith et al.	395	200		
	5,287,537	02/15/1994	Newmark et al.	395	800		
	5,291,554	03/01/1994	Morales	380	5		
	5,341,477	08/23/1994	Pitkin et al.	395	200		
	5,406,502	04/11/1995	Haramaty et al.	364	551.01		
	5,414,455	05/09/1995	Hooper et al.	348	7		
	5,442,389	08/15/1995	Blahut et al.	348	7		
	5,442,390	08/15/1995	Hooper et al.	348	7		
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	99/18751	04/15/1999	PCT	H04Q	11/04	<input type="checkbox"/>	<input type="checkbox"/>
	99/30460	06/17/1999	PCT	H04L	12/00	<input type="checkbox"/>	<input type="checkbox"/>
	99/39481	08/05/1999	PCT	H04L, G06F	12/66, 12/5 6, 13/00, 13/ 14	<input type="checkbox"/>	<input type="checkbox"/>
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EXAMINER				DATE CONSIDERED 11/1/04			

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		APPLICANT Lloyd, M. et al.					
		FILING DATE 07/10/01				GROUP 215 2100	
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
	5,442,749	08/15/1995	Northcutt et al.	395	200.09		
	5,452,294	09/19/1995	Natarajan	370	54		
	5,471,622	11/28/1995	Eadline	395	650		
	5,475,615	12/12/1995	Lin	364	514		
	5,477,536	12/19/1995	Picard	370	54		
	5,508,732	04/16/1996	Bottomley et al.	348	7		
	5,515,511	05/07/1996	Nguyen et al.	395	200.2		
	5,519,435	05/21/1996	Anderson	348	8		
	5,521,591	05/28/1996	Arora et al.	340	826		
	5,528,281	06/18/1996	Grady et al.	348	7		
	5,371,532	12/06/1994	Gelman et al.	348	7		
	5,410,343	04/25/1995	Coddington et al.	348	7		
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	00/45560	08/03/2000	PCT	H047	29/00	<input type="checkbox"/>	<input type="checkbox"/>
	00/52906	09/08/2000	PCT	H04L	29/06	<input type="checkbox"/>	<input type="checkbox"/>
	00/62489	10/19/2000	PCT	H04L, H04Q	12/56,12/4 6,12/66,11/ 04	<input type="checkbox"/>	<input type="checkbox"/>
	00/72528	11/30/2000	PCT	H04L, G06F	12/56,9/44 5,12/24	<input type="checkbox"/>	<input type="checkbox"/>
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U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
	5,629,930	05/13/1997	Beshai et al.	370	396		
	5,631,897	05/20/1997	Pacheco et al.	370	237		
	5,636,216	06/03/1997	Fox et al.	370	402		
	5,675,741	10/07/1997	Aggarwal et al.	395	200.12		
	5,754,547	05/19/1998	Nakazawa	370	401		
	5,805,594	09/08/1998	Kotchey et al.	370	401		
	5,835,710	11/10/1998	Nagami et al.	395	200.8		
	5,845,091	12/01/1998	Dunne et al.	395	200.7		
	6,108,703	08/22/2000	Leighton et al.	709	226		
	6,006,264	12/21/1999	Colby et al.	709	226		
	6,069,889	05/30/2000	Feldman et al.	370	351		
	6,173,324	01/09/2001	D'Souza	709	224		
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EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
PN	5,142,570	08/25/1992	Chaudhary et al.	379	221		
	6,009,081	12/28/1999	Wheeler et al.	370	255		
	6,130,890	10/10/2000	Leinwand et al.	370	400		
	6,167,052	12/26/2000	McNeil et al.	370	399		
PN	6,185,598	02/06/2001	Farber et al.	709	200		
FOREIGN PATENT DOCUMENTS							
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